

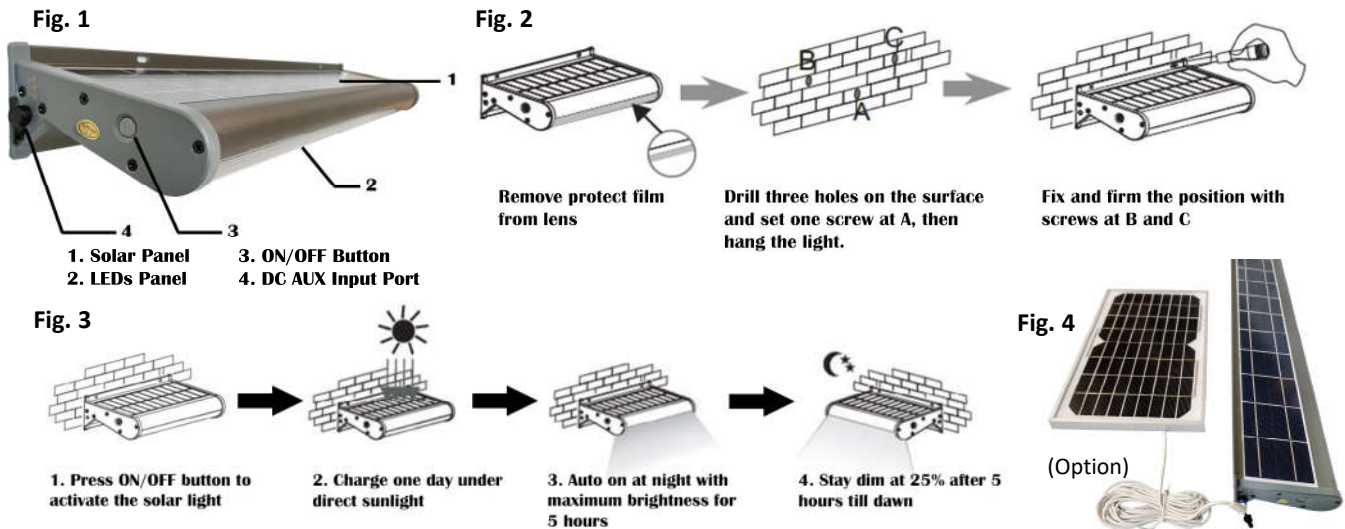
It is important that you read this set-up instruction before installing. Any questions or issues, please contact us before returning

Initial activation (Fig. 1):

- It's highly recommended to charge the light under direct sunlight for 1-2 days prior to installation. The battery charges even when the light is off.
- **One-Step Power ON:** Press and Hold the ON/OFF button(⏻) on side of the fixture for 1-2 seconds (momentary) to activate the light. If your testing is launched during the day, make sure the solar panel is fully covered by a piece of cardboard/package box to simulate the darkness condition. Remove the cover will make it turn off during the daylight condition.
* **EE805W1F: Press and Hold ON/OFF button to turn on unit. When light is on, short press to change LED color.**

Light Fixture and AUX Solar Panel Installation:

- Choose a flat and stable mounting surface with maximum exposure to direct sunlight. It is essential that the solar panel receives at least 4 hours of direct sunlight every day on average in order to ensure dusk to dawn illuminating performance.
- For Northern hemisphere installations the light should be mounted with a southerly exposure and visa-versa for Southern hemisphere installation. East and West mounting locations with good sun exposure can also be good.
- For wall-mounted, drill holes on desired locations, secure the light body with provided or by specified screws (Fig. 2) for wood surfaces or surfaces of concrete, and consultation from local contractor or experience technician/person is suggested for DIY projects.
- The light will automatically turn off when it detects low battery. This might happen after 3-4 cloudy days, but it will restore by self once sunny weather gets back, to improve this matter that add an addition same wattage solar panel.
- Add an auxiliary solar panel (Fig. 4 & Fig. 6) via built in DC AUX input is the method for charging enhancement to ensure all night long illuminating performance even during the critical weather condition or at location with charging limitation (**Built-in solar panel facing to North; poor sunlight coverage mounting location e.g.**). 3-10W/15-17Vmpp solar panel will work for EE805W1F; 8-15W/15-17Vmpp solar panel will work for EE810W2F and 15-30W/17Vmpp solar panel will work for EE820W4F (Get solar panel via **eLEDing.com site** <https://eleding.com/ee-sop.html>)



Dusk to Dawn Function (Fig. 3):

During daylight hours, the direct sunlight will charge the battery through solar panel. Features with IPM, when the built-in photocell senses the ambient light level is lower than 10 LUX (darkness environment), the light will automatically turn on with fixed maximum brightness for the first 5 hours. After 5 hours, the light will switch to energy-saving mode by dimming down to fixed 25% of maximum brightness for the rest of the night. When dawn comes, the light extinguishes when ambient light level starts to increase.

Note:

- Never have shadows or anything covers the solar panel during the day (Refer Fig 5).
- Avoid placing objects in front of the motion detector that may affect detecting performance.
- Avoid installing the unit near air conditioners, central heaters, or high voltage systems.
- Avoid placing the motion detector head towards high movement areas
- Clean the solar panel with a moist soft cloth at least once a year.
- Clean accumulated snow as soon as possible during the snowing season.
- Do not expose the light to fire/intense heat or immerse in water.
- Never look directly into the light or shine it into another person's eyes.
- If the light doesn't activate when it is first turned on, then allow 1-2 days for the panel to re-charge the battery.

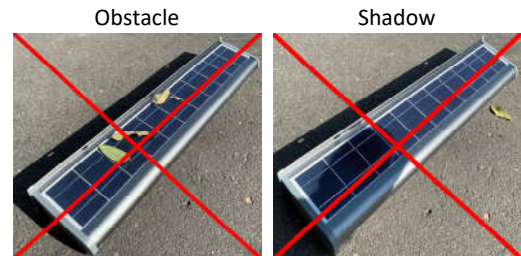


Fig. 5

| Specification | EE805W1F | EE810W2F | EE820W4F |
|-----------------------------|----------------------------|---------------------------|---------------------------|
| LED illuminator | 5W, 24PCs | 10W, 48PCs | 20W, 96PCs |
| Solar panel | 5W | 9W | 18W |
| Lumens | 500 | 1000 | 2000 |
| Lithium-ion battery | 5AH | 18AH | 36AH |
| Charging time | 7-8hrs | 7-8hrs | 7-8hrs |
| Dusk to Dawn mode | Solar-cell | Solar-cell | Solar-cell |
| SMART mode | 5hrs 100% fixed + 25% dim | 5hrs 100% fixed + 25% dim | 5hrs 100% fixed + 25% dim |
| Beam angle | 120 degree | 120 degree | 120 degree |
| LED life span | >50,000 hrs | >50,000 hrs | >50,000 hrs |
| LED illuminator temp | selectable: 3000K/5000K | Fixed: 5000K | Fixed: 5000K |
| AUX solar/DC input | Yes | Yes | Yes |
| Size | 11.8" x 2.6" x 4.5" | 23.6" x 2.6" x 4.5" | 47.2" x 2.6" x 4.5" |
| IP level | Waterproof IP65 | Waterproof IP65 | Waterproof IP65 |

NOTE: EE805W1F has 3000K/5000K LED color selection. 3000K meets Dark Sky City Standard.



AUX Solar Panel/DC Supply: 15-18VDC/1-2A
Fig. 6

